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Application Number	09/921,295			
Filing Date	August 02, 2001			
First Named Inventor	Payton			
Group Art Unit				
Examiner Name				
Attorney Docket Number	HRI 055			

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. Patent Docume Kind Co (if know	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	1	5,233,604	Ahmadi et al.	Aug. 3, 1993				
	2	5,561,790	Fusaro	Oct. 1, 1996				
	3	5,991,300	Tappan	Nov. 23, 1999				
	4	4,028,533	Matsubara	June 7, 1977				
	5	5,675,741	Aggarwal et al.	Oct. 7, 1997				
	6	6,154,139	Heller	Nov. 28, 2000				
	7	5,946,083	Melendez et al.	Aug. 31, 1999				
	8	6,311,129 B1	Lin	Oct. 30, 2001				
	9	6,195,020 B1	Brodeur, Sr. et al.	Feb. 27, 2001				
	10	6,208,247 B1	Agre et al.	Mar. 27, 2001				
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	FOREIGN PATENT DOCUMENTS							
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of

Application Number 09/921,295

Filing Date August 02, 2001

First Named Inventor Payton

Group Art Unit

Examiner Name

Attorney Docket Number HRL055

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²			
		D. W. GAGE, "Command and Control for Many-Robot Systems", In the Nineteenth Annual AUVS Technical Symposium (AUVS-91),				
	NPI	Huntsville, AL, 22-24 June 1992. Reprinted in Unmanned Systems Magazine, 10(4):28-34, Fall 1992.				
	NP2	D. W. GAGE, "Many Robot Systems", SPAWAR web page, http://www.nosc.mil.robots/research/manyrobo/manyrobo.html				

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